

Clade	Relative Position	Frequency
1	12860	2
2	12405	2
3	12309	1
4	12025	2
5	11737	3
6	11560	1
7	11473	1
8	11267	8
9	11170	5
10	11000	2
11	10639	2
12	9732	1
13	8801	1
14	8179	1
15	7886	1
16	7883	1
17	6931	1
18	6826	1
19	6512	1
20	6490	1
21	6191	1
22	6149	1
23	5857	1
24	5849	1
25	5785	1
26	5763	1
27	5541	1
28	5241	1
29	4404	1
30	4298	1
31	4254	1
32	4106	1
33	4065	1
34	3824	1
35	3557	1
36	3008	1
37	1928	1
38	1868	1
39	1828	1
40	1824	1
41	1688	1
42	1272	1
43	1266	1
44	782	1
45	457	1
46	-743	1
47	-916	1
48	-1168	1

FIGURE 1

BEST AVAILABLE COPY

2/18

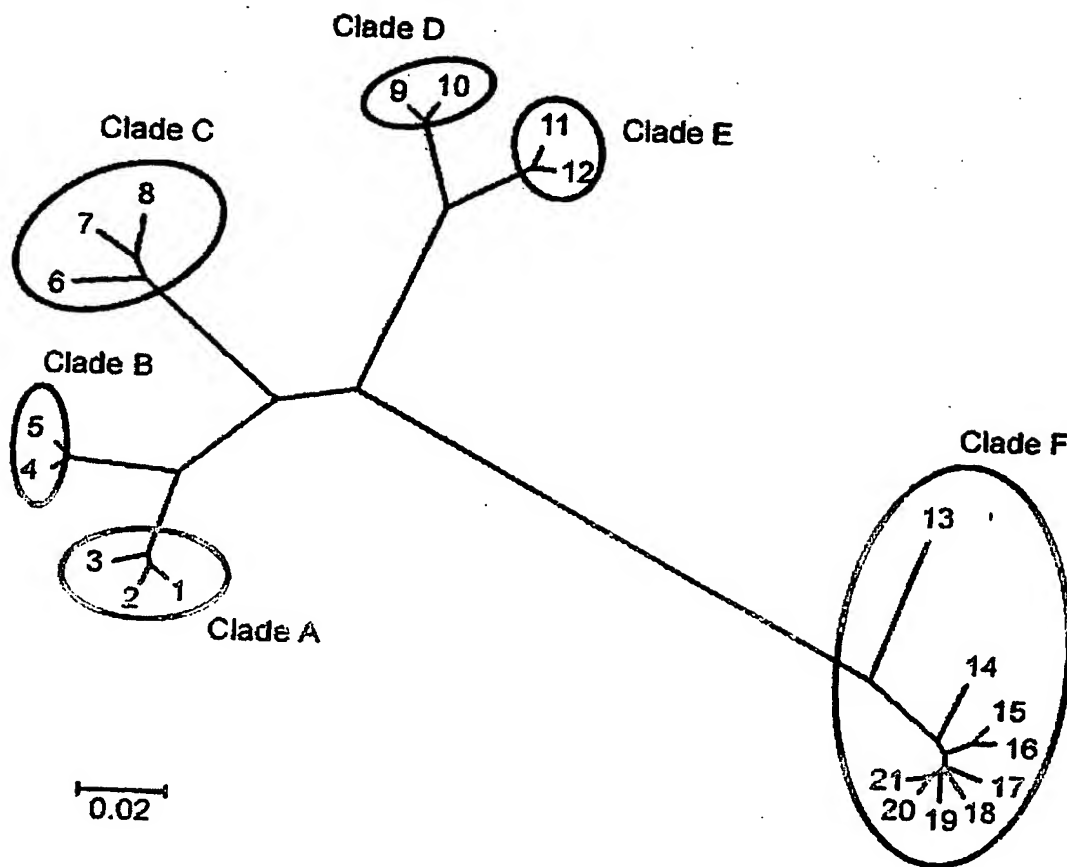
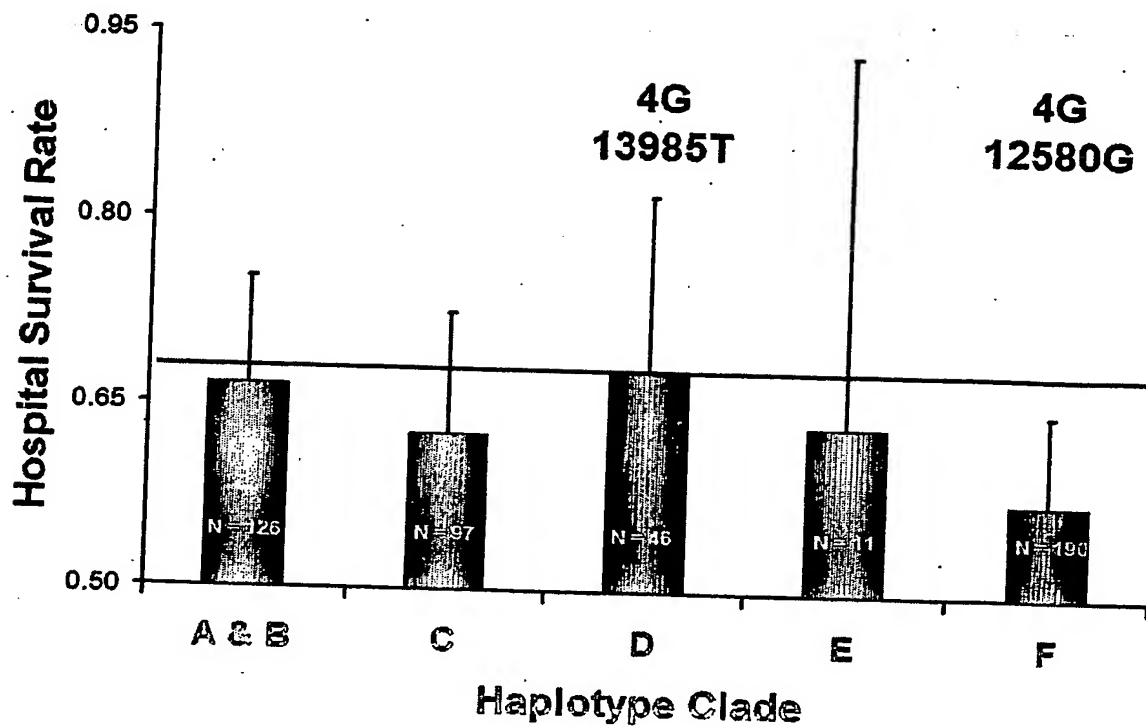


FIGURE 2

3/18

10/549804

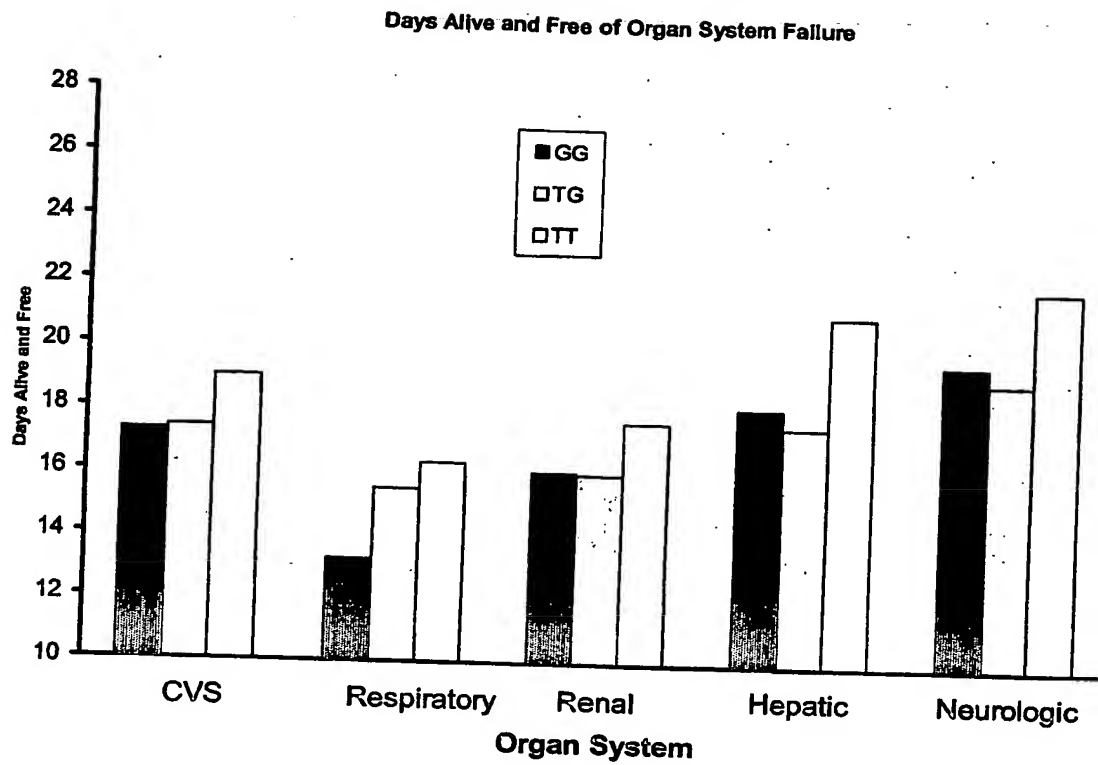
FIGURE 3



10/549804

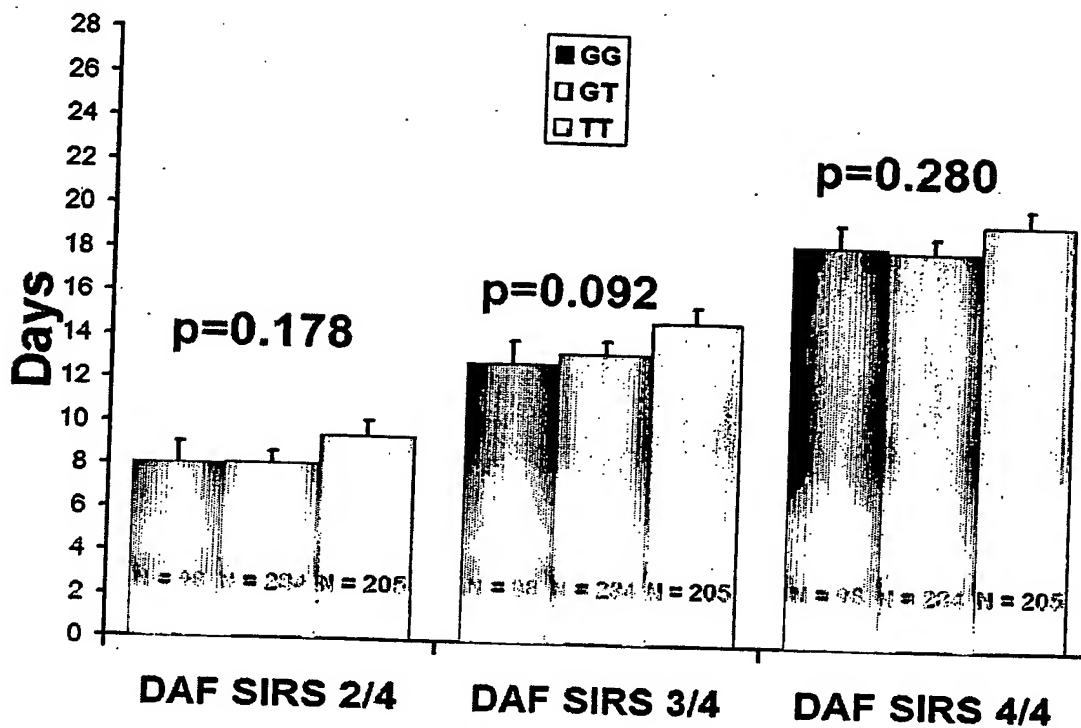
4/18

FIGURE 4



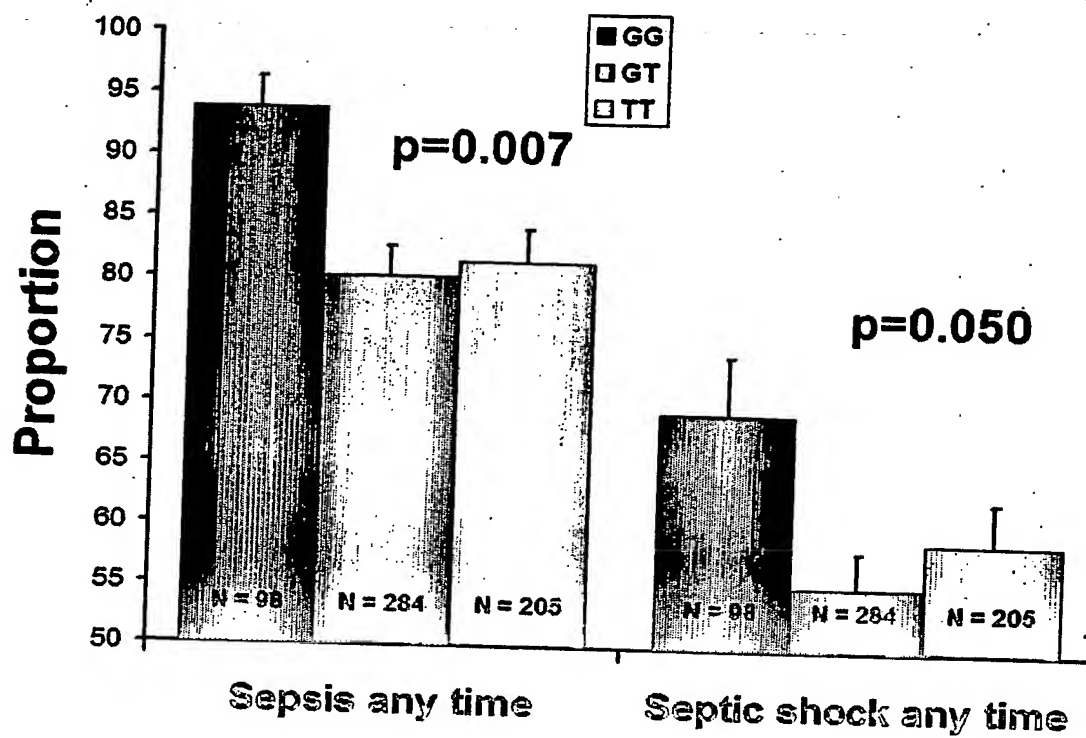
5/18

FIGURE 5



6/18

FIGURE 6



7/18

FIGURE 7A

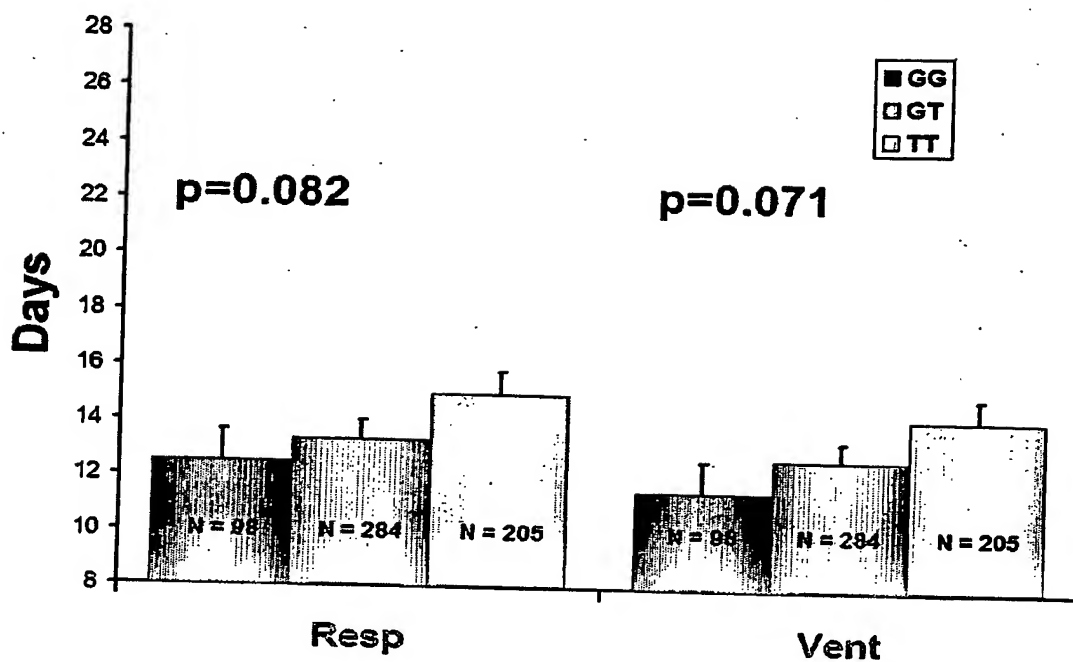
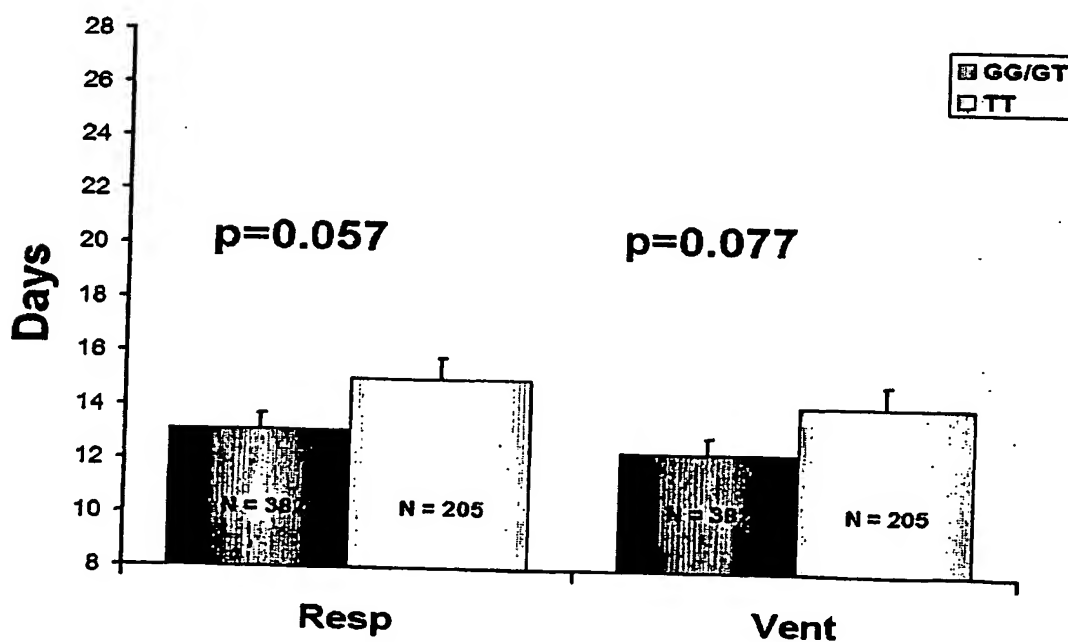


FIGURE 7B



8/18

FIGURE 8A

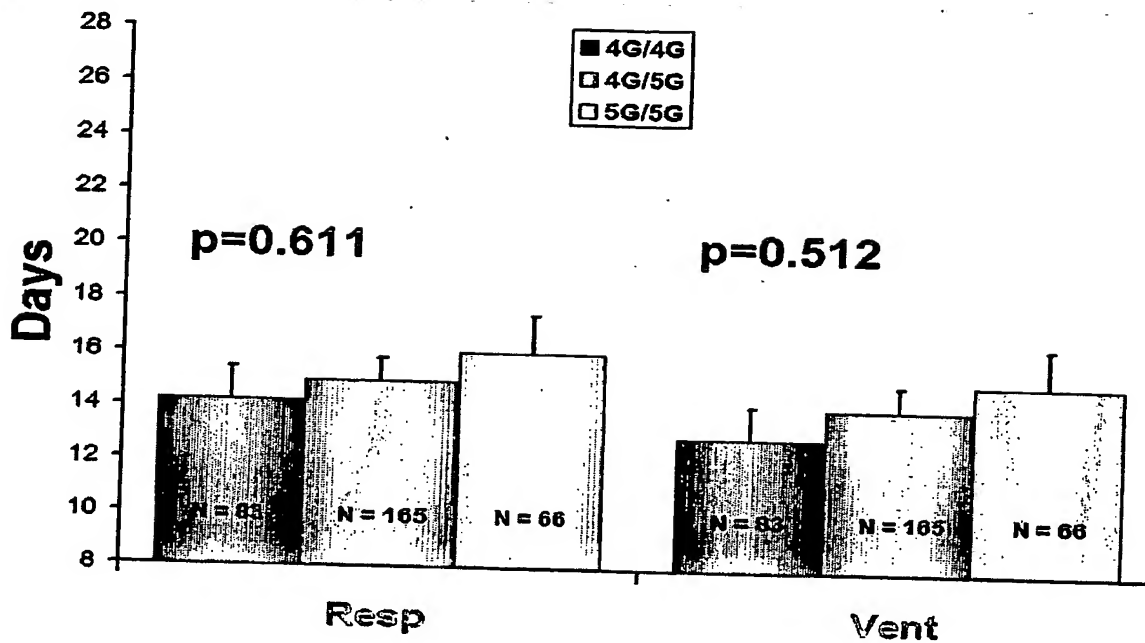
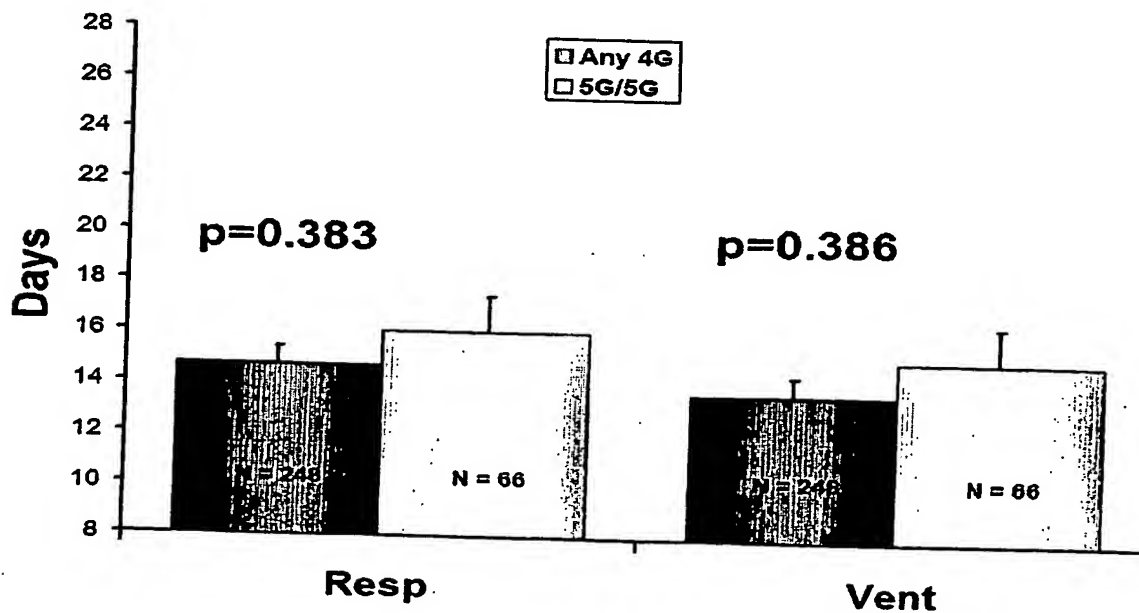


FIGURE 8B



10/549804

9/18

FIGURE 9A

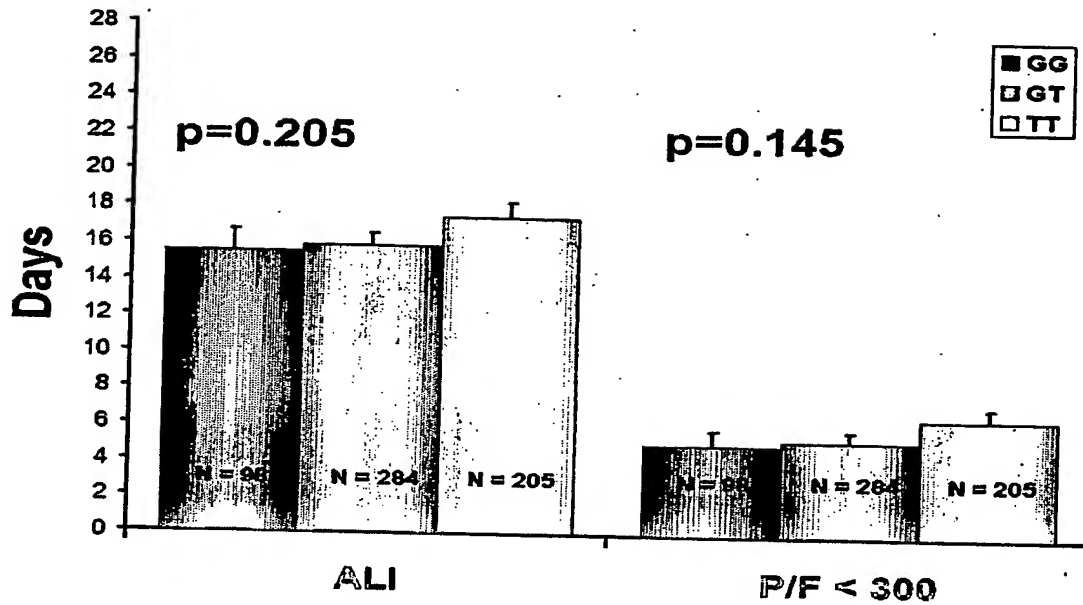
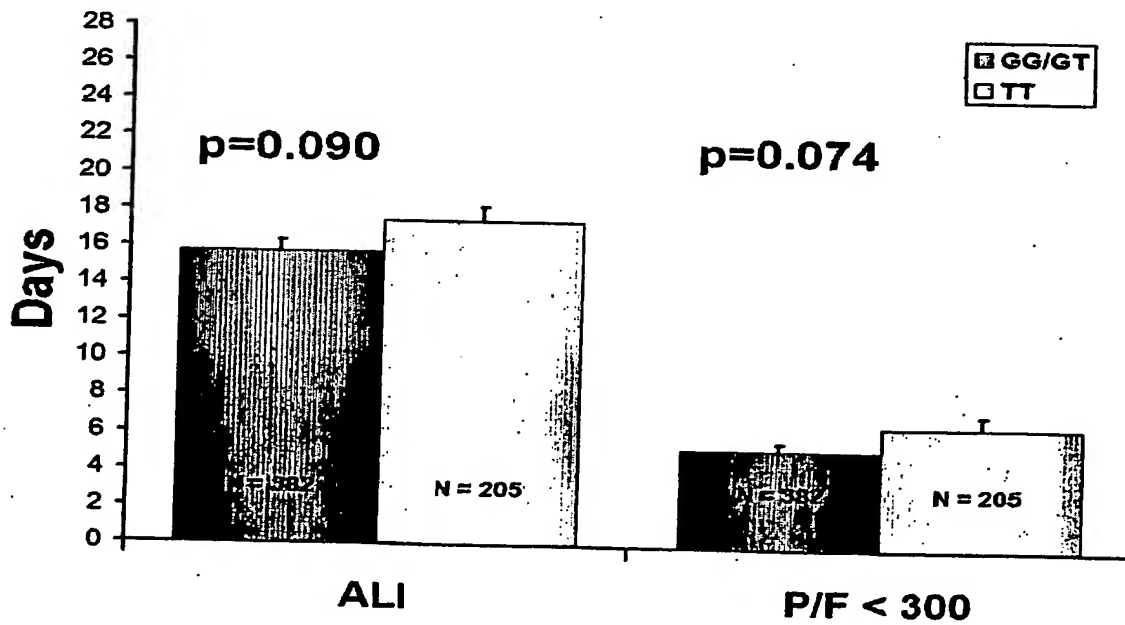


FIGURE 9B



10/549804

10/18

FIGURE 10A

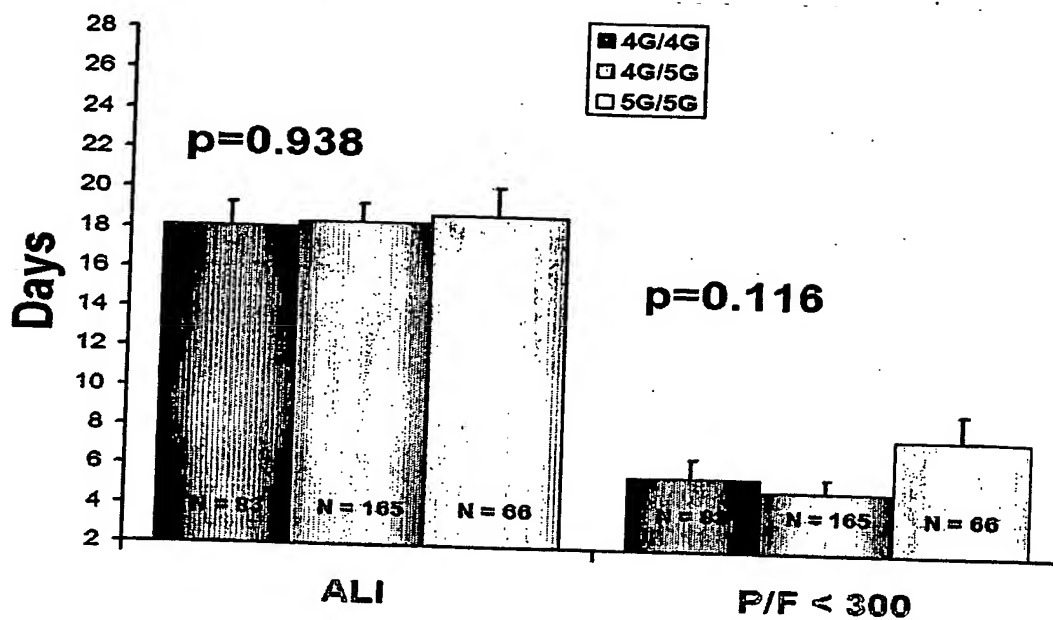
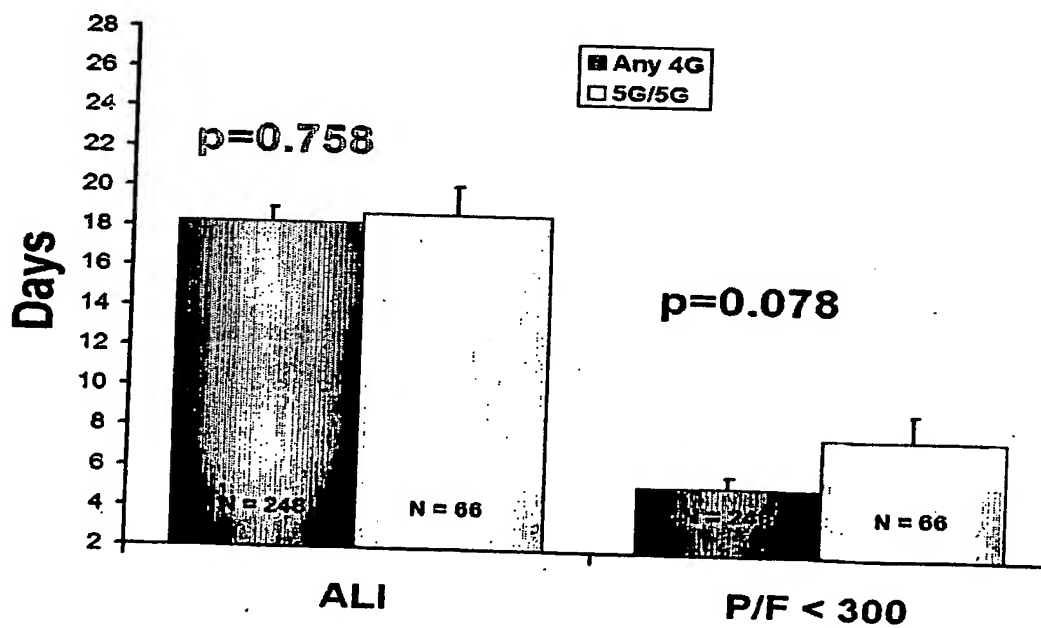


FIGURE 10B



11/18

FIGURE 11A

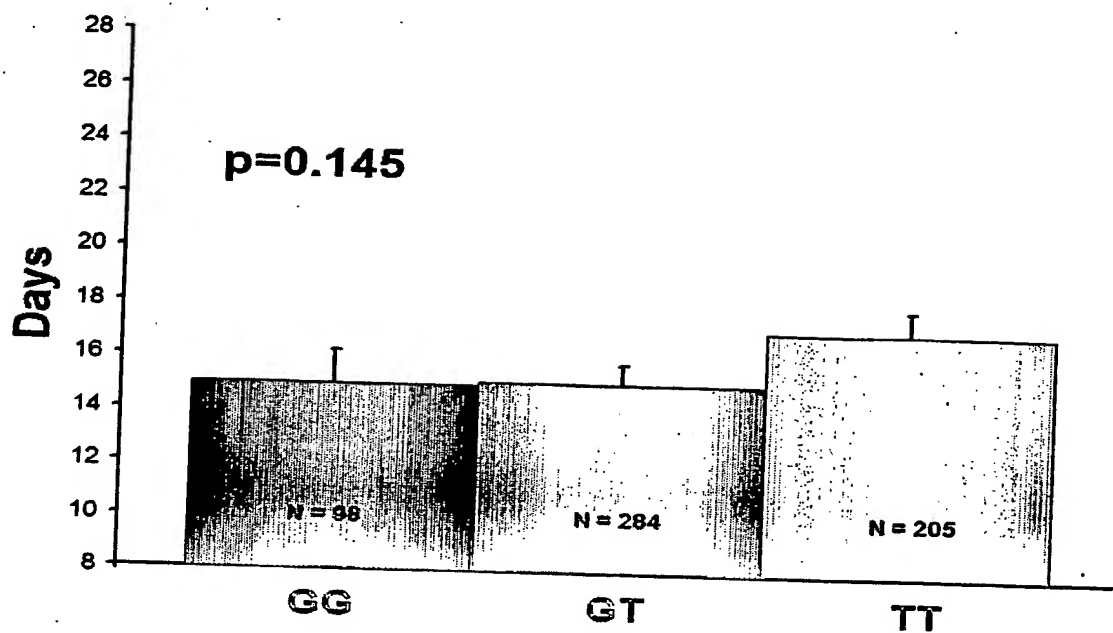
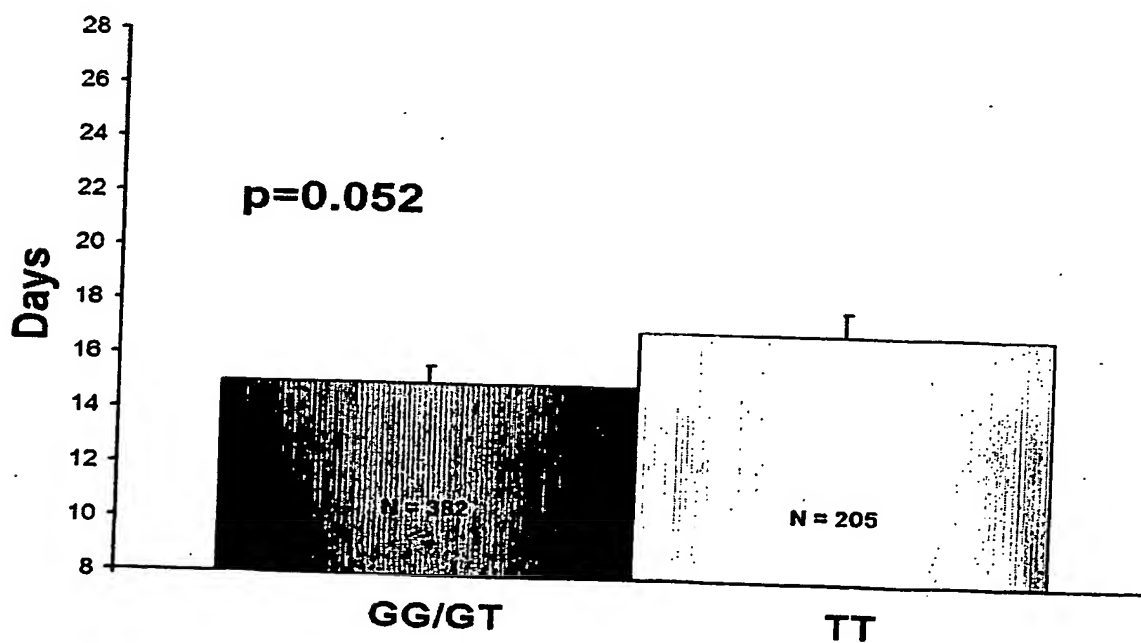


FIGURE 11B



12/18

10/549804

FIGURE 12A

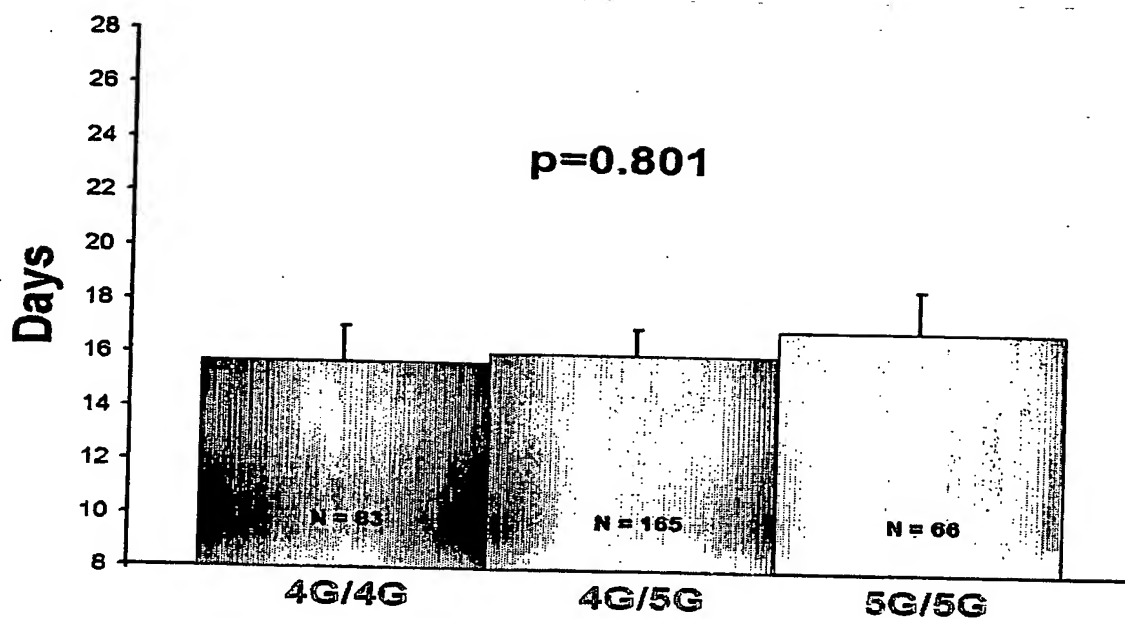


FIGURE 12B

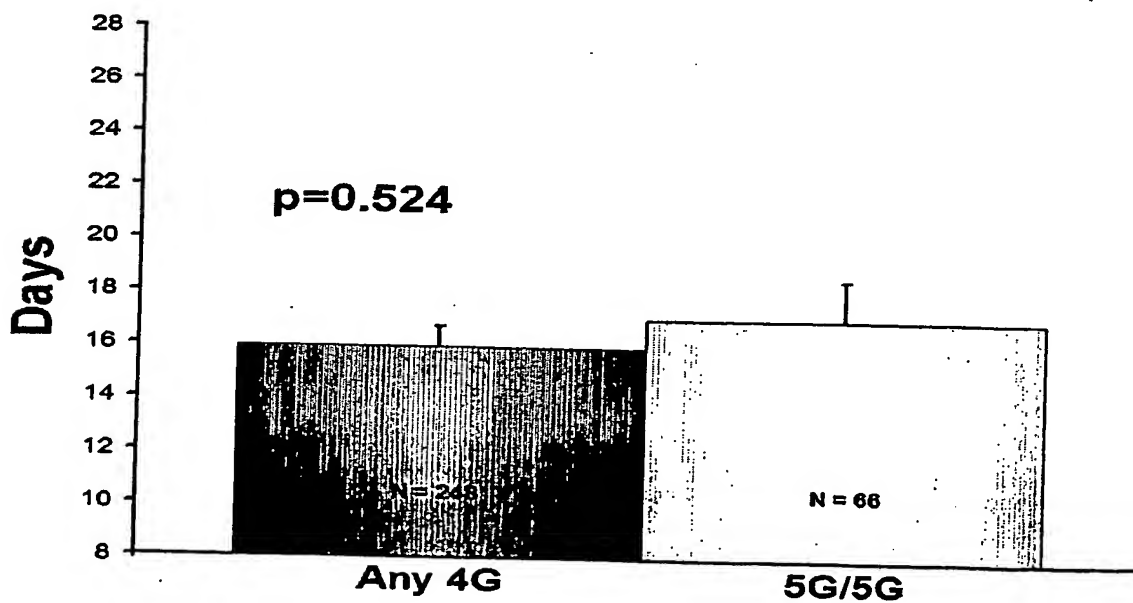


FIGURE 13A

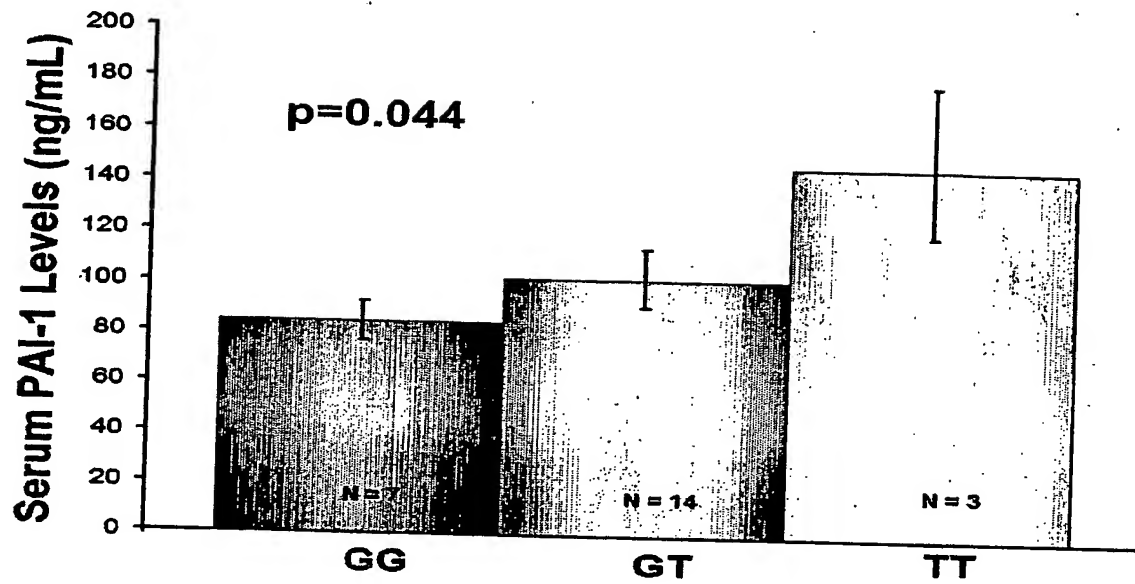
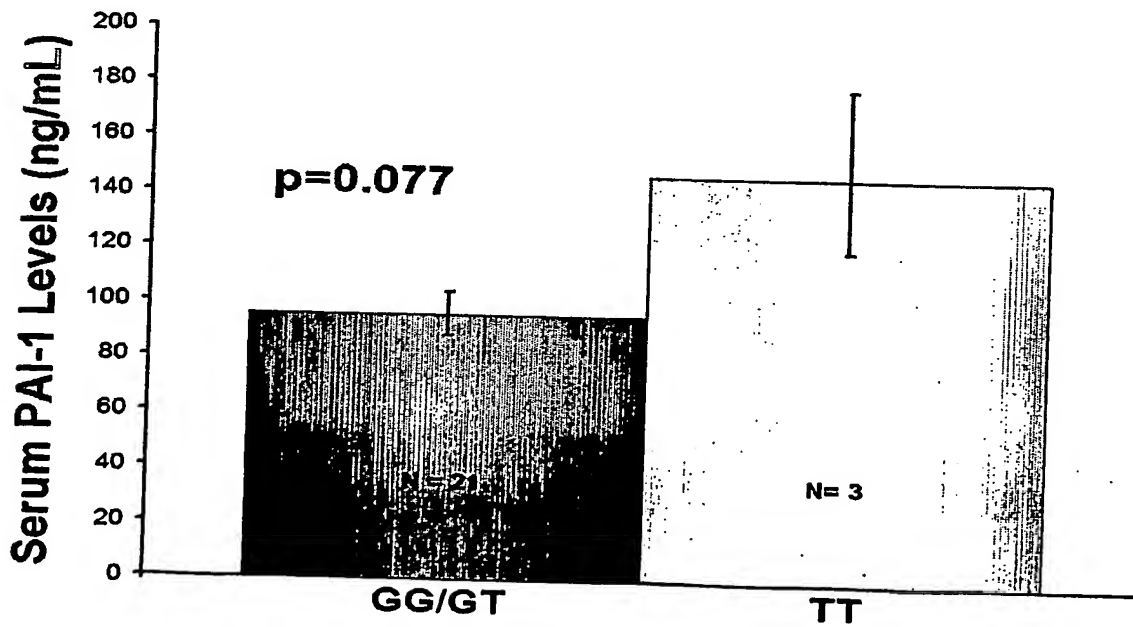


FIGURE 13B



14/18

FIGURE 14A

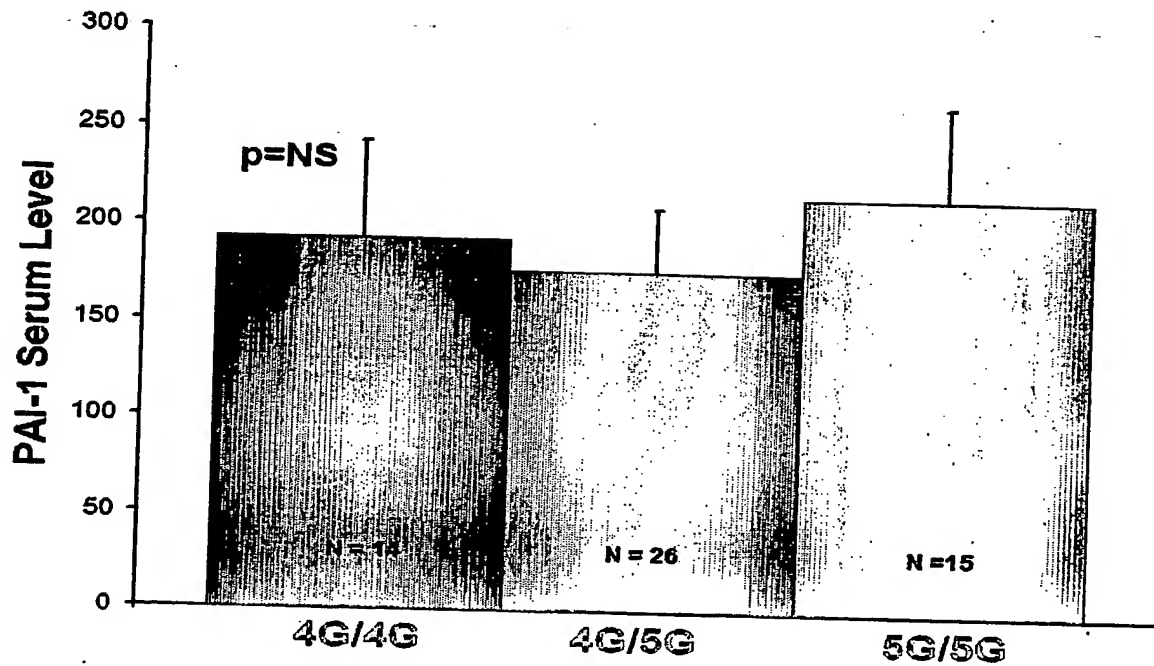
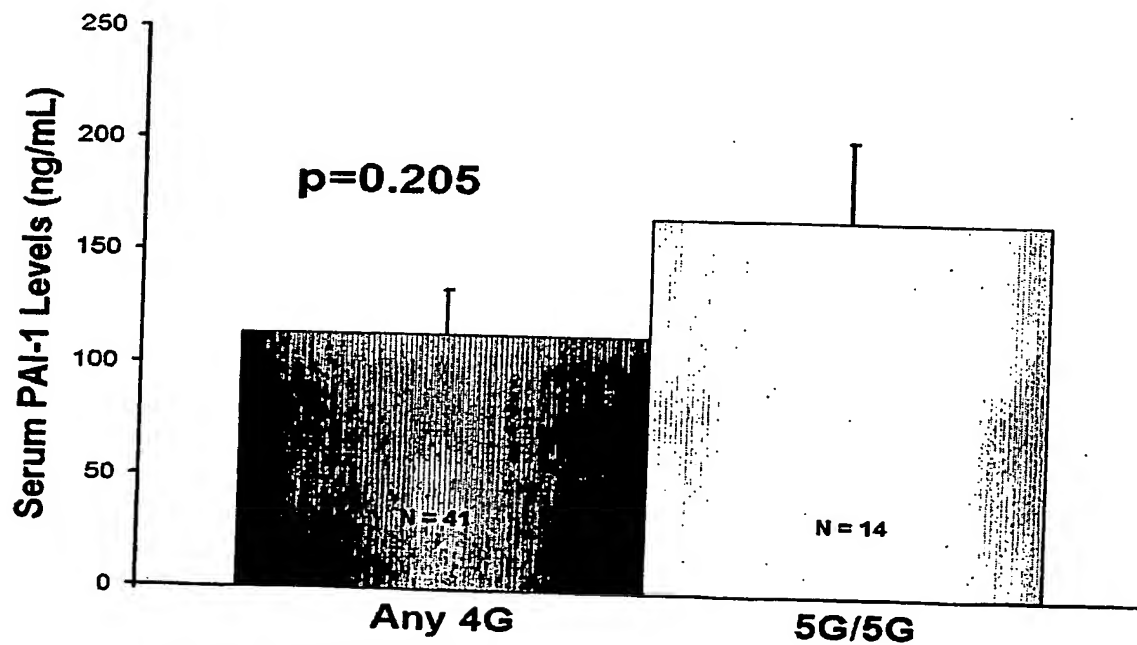


FIGURE 14B



15/18

FIGURE 15A

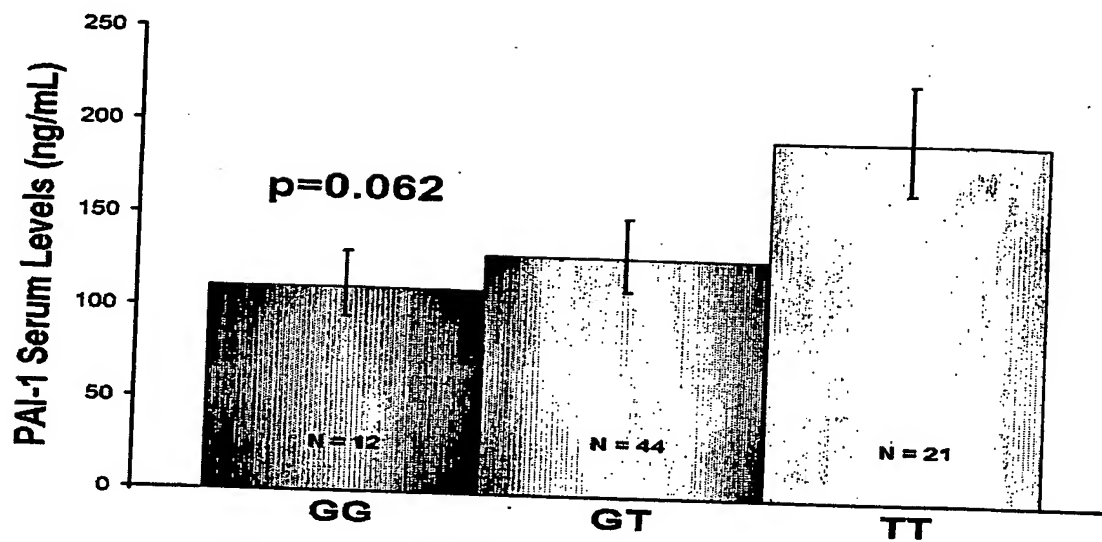
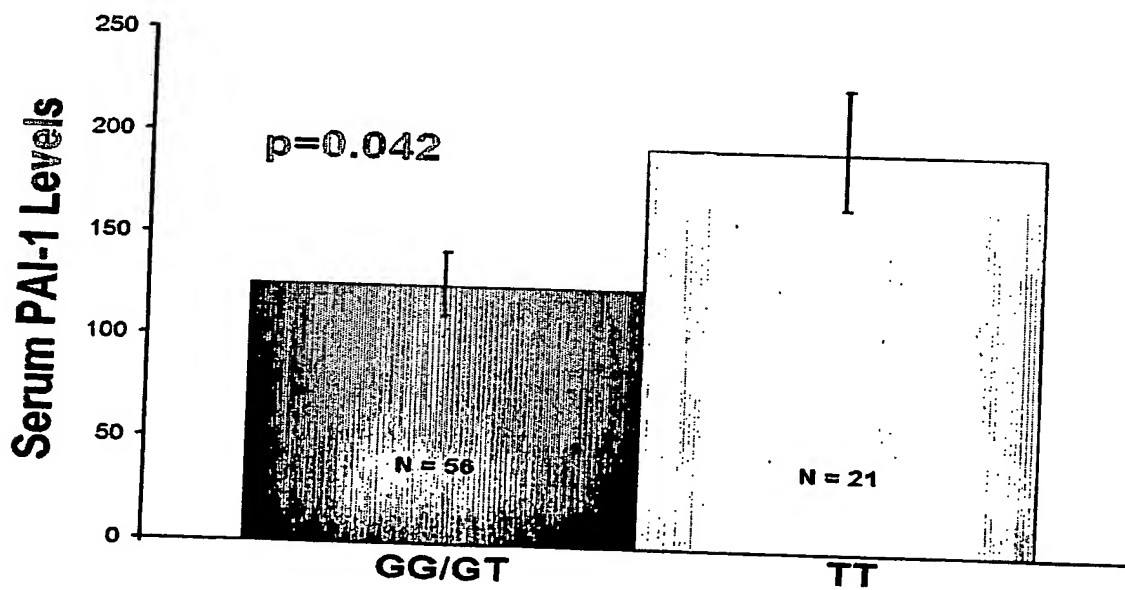


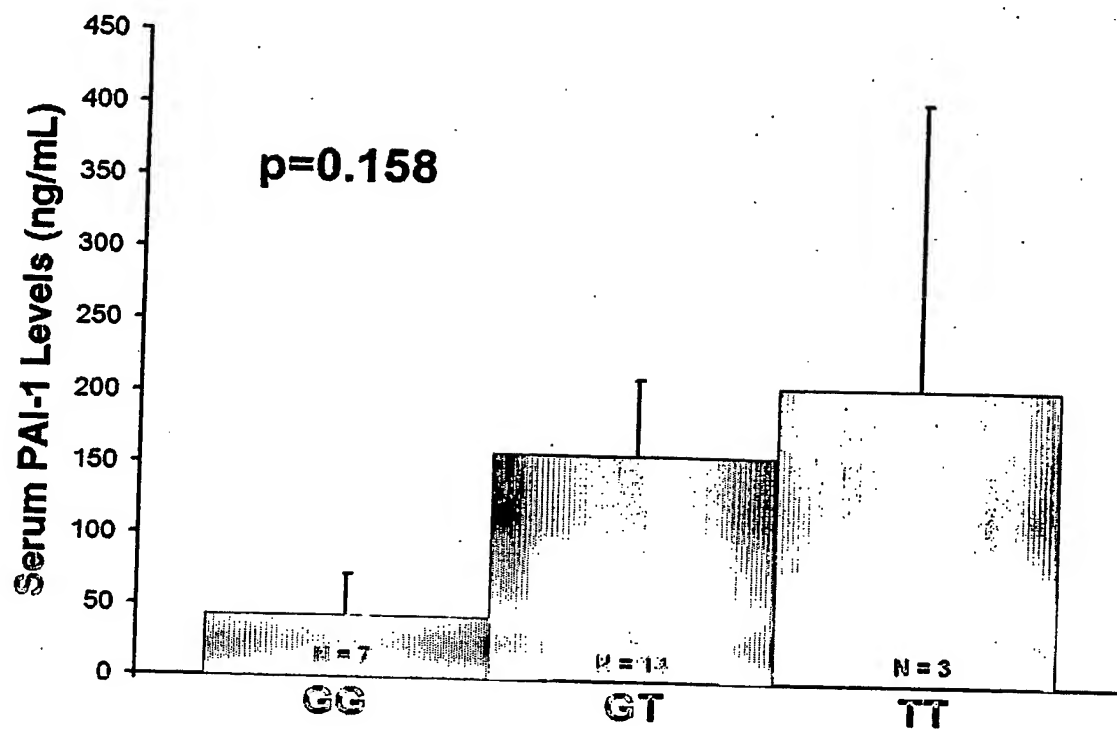
FIGURE 15B



10/549804

16/18

FIGURE 16



17/18

FIGURE 17A

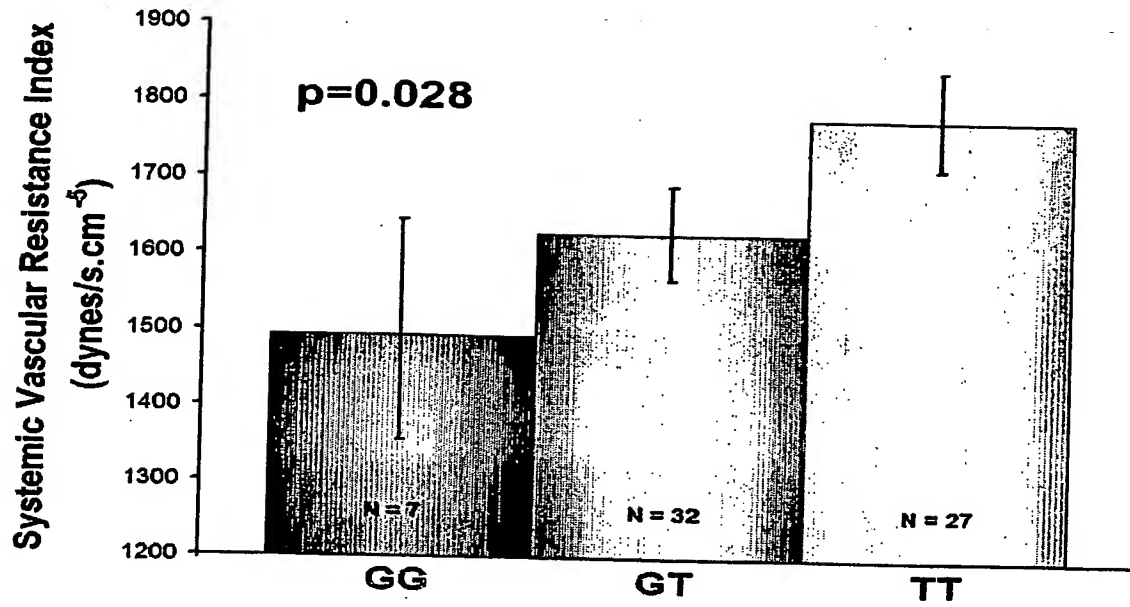


FIGURE 17B

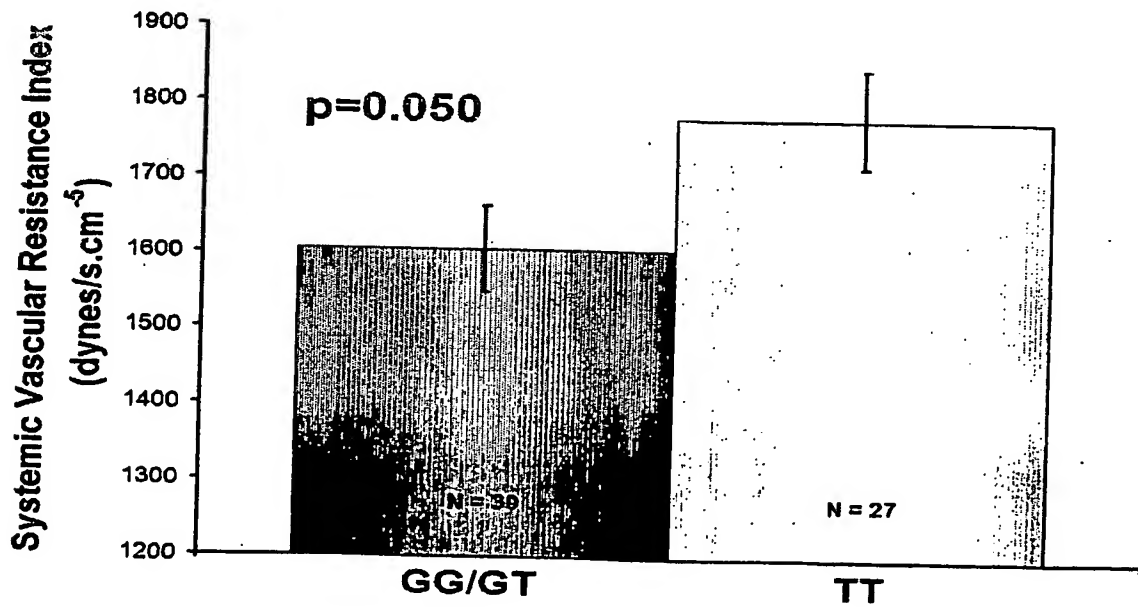


FIGURE 18A

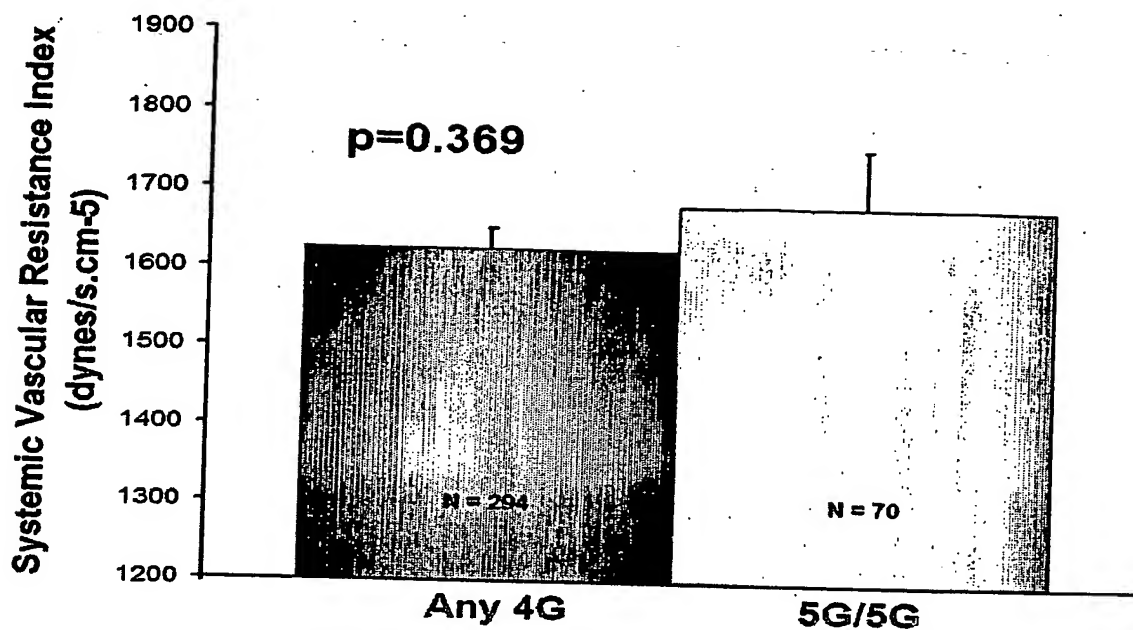
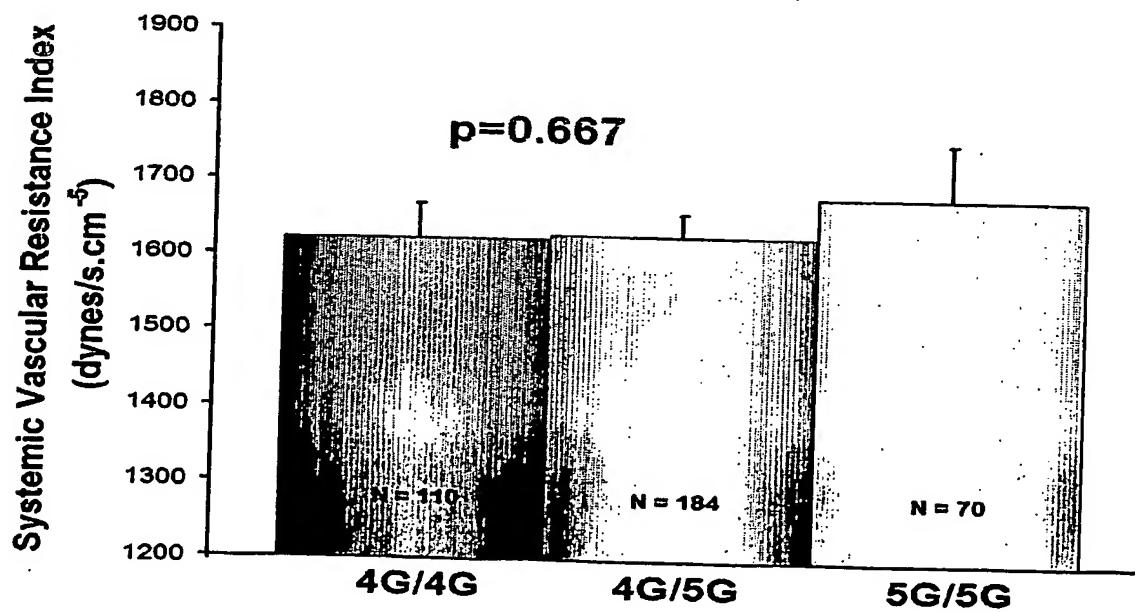


FIGURE 18B



**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☒ FADED TEXT OR DRAWING
- ☒ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.